

Amendment Under 37 C.F.R. §1.111
Application No. 10/526,473
Attorney Docket No. 071856

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Claim 1 (Currently Amended): A magenta toner having [[a]] magenta-colored resin particles comprising at least a binder resin and a magenta colorant, wherein the magenta colorant is a magenta pigment composed of the combination of C.I. Pigment Red 31 and C.I. Pigment Red 150 within the range from 40:60 to 70:30 in terms of a mass ratio, and the magenta-colored resin particles have a volume average particle diameter dv within the range from 3.0 to 12.0 μm .

Claim 2. Cancelled.

Claim 3 (Original): The magenta toner according to claim 1, wherein the magenta-colored resin particles contains the magenta pigment composed of the combination of C.I. Pigment Red 31 and C.I. Pigment Red 150 in the proportion of 1 to 10 parts by mass per 100 parts by mass of the binder resin.

Claim 4 (Original): The magenta toner according to claim 1, wherein the magenta-colored resin particles further comprises a charge control resin as a charge control agent.

Claim 5 (Original): The magenta toner according to claim 4, wherein the charge control resin has a weight average molecular weight within the range from 2,000 to 50,000 and a glass transition temperature within the range from 40 to 80°C.

Claim 6 (Original): The magenta toner according to claim 1, wherein the magenta-colored resin particles further comprises a parting agent.

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Claim 7 (Currently Amended): The magenta toner according to claim 1, wherein the magenta-colored resin particles [[is a]] are magenta-colored resin particles having a core-shell structure.

Claim 8 (Currently Amended): The magenta toner according to claim 1, wherein the magenta-colored resin particles have ~~has a volume average particle diameter dv within the range from 3.0 to 12.0 μm and~~ a particle diameter distribution dv/dp within the range from 1.0 to 1.3 in terms of the ratio of the volume average particle diameter dv to the number average particle diameter dp .

Claim 9 (Original): The magenta toner according to claim 1, wherein the spheroidicity rl/rs represented by the ratio of the length rl of each magenta-colored resin particle to the breadth rs thereof is within the range from 1.0 to 1.3.

Claim 10 (Original): The magenta toner according to claim 1, which comprises the magenta-colored resin particles and an external additive.

Claim 11 (Original): The magenta toner according to claim 10, wherein the external additive is composed of hexahedral inorganic fine particles having the volume average particle diameter of 0.05 to 10 μm .

Claim 12 (Original): The magenta toner according to claim 10, wherein the external additive is composed of spherical or indefinable inorganic fine particles having the volume average particle diameter from 5 to 500 nm.

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Claim 13 (Original): The magenta toner according to claim 10, wherein the external additive is composed of organic fine particles having the volume average particle diameter from 0.1 to 1 μm .

Claim 14 (Currently Amended): A process for producing a magenta toner having [[a]] magenta-colored resin particles, which comprises:

Step 1 of preparing a polymerizable monomer composition containing at least a polymerizable monomer and a magenta colorant; and

Step 2 of polymerizing the polymerizable monomer composition in an aqueous dispersion medium to form the magenta-colored resin particles;

wherein a magenta pigment composed of a combination of C.I. Pigment Red 31 and C.I. Pigment Red 150 within the range from 40:60 to 70:30 in terms of a mass ratio is used as the magenta colorant, and

whereby obtaining magenta-colored resin particles having a volume average particle diameter dv within the range from 3.0 to 12.0 μm .

Claim 15 (Original): The production process according to claim 14, wherein, in the Step 1, the polymerizable monomer composition further contains a charge control agent.

Claim 16 (Original): The production process according to claim 15, wherein, in the Step 1:

a charge control resin is used as the charge control agent;

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a charge control resin composition containing the magenta pigment and the charge control resin is prepared in advance; and

the charge control resin composition is contained in the polymerizable monomer composition.

Claim 17 (Original): The production process according to claim 16, wherein the magenta pigment and the charge control resin are mixed in the presence of an organic solvent to prepare the charge control resin composition.

Claim 18 (Original): The production process according to claim 14, wherein, in the Step 1, the polymerizable monomer further comprises a parting agent.

Claim 19 (Currently Amended): The production process according to claim 14, wherein, in the Step 2, a polymerizable monomer for shell is further polymerized in the presence of the magenta-colored resin particles formed, to form [[a]] magenta-colored resin particles with a core-shell structure.

Claim 20 (Original): The production process according to claim 14, which further comprises the step of adding an external additive to the magenta-colored resin particles obtained in Step 2.